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## FACSIMILE COVER SHEET

**DATE:** July 12, 2006  
**FILE NO:** AVAN/001106  
**TO:** Examiner Phu Vu  
**FAX NO:** 571-273-8300  
**COMPANY:** USPTO  
**FROM:** Frederick D. Kim  
**PAGE(S) with cover:** 4  
**ORIGINAL TO FOLLOW?** ☐ YES ☒ NO

### RESPONSE TO FINAL OFFICE ACTION DATED JUNE 12, 2006

**TITLE:** LIQUID CRYSTAL DEVICE AND METHOD FOR OPTICAL  
PERFORMANCE MONITORING IN FIBER OPTIC  
COMMUNICATION SYSTEMS  
**U.S. SERIAL NO.:** 10/637,115  
**FILING DATE:** August 8, 2003  
**INVENTOR:** Haljun Yuan, et al.  
**EXAMINER:** Phu Vu  
**GROUP ART UNIT:** 2871  
**CONFIRMATION NO.:** 3827

**MESSAGE:** Please see attached Response.

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**PATENT**  
App. Dkt. No. AVAN/001106

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:  
Haijun Yuan, et al.

Serial No.: 10/637,115

Confirmation No.: 3827

Filed: August 8, 2003

**For: LIQUID CRYSTAL DEVICE  
AND METHOD FOR OPTICAL  
PERFORMANCE MONITORING  
IN FIBER OPTIC  
COMMUNICATION SYSTEMS**

Group Art Unit: 2871

Examiner: Phu Vu

Customer No. 47389

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P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

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37 CFR 1.8**

I hereby certify that this correspondence and the documents referred to as attached therein are being facsimile transmitted to the U.S. Patent and Trademark Office to the fax number indicated by the Examiner, namely, fax number 571.273.8300 to the attention of the named Examiner, on the date below.

7/12/06 Frederick D. Kim  
Date Frederick D. Kim

**RESPONSE TO FINAL OFFICE ACTION MAILED JUNE 12, 2006**

In response to the Final Office Action dated June 12, 2006, having a shortened statutory period for response set to expire on September 12, 2006, please enter this response and reconsider the claims pending in the application for reasons discussed below. Although Applicants believe that no additional fees are due in connection with this response, the Commissioner is hereby authorized to charge counsel's Deposit Account No. 20-0782/AVAN/001106/FK, for any fees, including extension of time fees or excess claim fees, required to make this response timely and acceptable to the Office.

**Remarks begin on page 2 of this paper.**